

the pair of fixing means are winding reels each for fixing the optical fiber, with frictional resistance against the optical fiber, by winding the optical fiber around an axis thereof perpendicular to the fiber axial direction, one of the winding reels to be moved by the moving means being rotatably supported around the perpendicular axis in one position along the fiber axial direction, and

the moving means is a motor for forcedly rotating one of the winding reels to be moved by predetermined revolutions with the optical fiber wound.

38. The method of fabricating a fiber grating of any of claims 25-26 and 28-31, wherein the coat layer is formed in a large thickness for exhibiting a mechanical strength characteristic equivalent to that of a coated fiber to be connected to the fiber grating, and

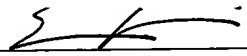
the UV irradiated for writing the grating is obtained by using solid laser and irradiates the core at an irradiation energy density of 1.5 through 4.0 kJ/cm<sup>2</sup>.--

REMARKS

Claims 1-19 have been canceled and new claims 20-38 have been added to conform the subject application to the Article 34 Amendment filed in the international stage.

Examination on the merits is requested.

Respectfully submitted,

  
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